

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1999

[Dollars in thousands]

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| Federally funded research and development centers | Total | Dept of Commerce | Dept of Defense | Dept of Energy | Dept of Health & Human Services | National Aeronautics & Space Admin | National Science Foundation | Other |
|---|-----------|------------------|-----------------|----------------|---------------------------------|------------------------------------|-----------------------------|--------|
| Total, all FFRDCs | 6,137,645 | 210 | 713,301 | 3,729,452 | 209,099 | 1,294,861 | 153,881 | 36,841 |
| FFRDCs administered by industrial firms | 1,328,022 | 100 | 79,087 | 1,074,617 | 152,395 | 875 | 75 | 20,873 |
| Idaho National Engineering and Environmental Laboratory | 96,372 | 0 | 817 | 90,360 | 0 | 310 | 0 | 4,885 |
| NCI Frederick Cancer Rsch & Dvlpmnt Ctr | 152,395 | 0 | 0 | 0 | 152,395 | 0 | 0 | 0 |
| Oak Ridge National Laboratory | 326,849 | 100 | 9,404 | 311,572 | 0 | 565 | 75 | 5,133 |
| Sandia National Laboratories | 723,635 | 0 | 68,866 | 643,914 | 0 | 0 | 0 | 10,855 |
| Savannah River Technology Center | 28,771 | 0 | 0 | 28,771 | 0 | 0 | 0 | 0 |
| FFRDCs administered by universities & colleges ¹ | 3,896,411 | 107 | 275,852 | 2,139,007 | 37,073 | 1,285,951 | 153,054 | 5,367 |
| Ames Laboratory | 20,802 | 0 | 383 | 20,419 | 0 | 0 | 0 | 0 |
| Argonne National Laboratory | 249,386 | 105 | 4,817 | 239,995 | 0 | 416 | 9 | 4,044 |
| Ernest Orlando Lawrence Berkeley National Laboratory | 249,145 | 0 | 3,579 | 220,983 | 20,682 | 3,870 | 31 | 0 |
| Fermi National Accelerator Laboratory | 205,350 | 0 | 0 | 205,350 | 0 | 0 | 0 | 0 |
| Jet Propulsion Laboratory | 1,285,637 | 0 | 11,668 | 0 | 0 | 1,273,895 | 74 | 0 |
| Lawrence Livermore National Laboratory | 610,372 | 0 | 38,835 | 559,790 | 6,942 | 4,690 | 0 | 115 |
| Lincoln Laboratory | 181,155 | 0 | 181,155 | 0 | 0 | 0 | 0 | 0 |
| Los Alamos National Laboratory | 660,201 | 2 | 17,740 | 631,471 | 9,157 | 583 | 40 | 1,208 |
| National Astronomy & Ionosphere Ctr | 8,747 | 0 | 0 | 0 | 0 | 0 | 8,747 | 0 |
| National Center for Atmospheric Rsch | 75,612 | 0 | 669 | 0 | 0 | 2,497 | 72,446 | 0 |
| National Optical Astronomy Observatories ² | 38,247 | 0 | 0 | 0 | 0 | 0 | 38,247 | 0 |
| National Radio Astronomy Observatory | 33,132 | 0 | 0 | 0 | 0 | 0 | 33,132 | 0 |
| Oak Ridge Institute for Science & Ed | 7,529 | 0 | 7 | 7,230 | 292 | 0 | 0 | 0 |
| Princeton Plasma Physics Laboratory | 40,322 | 0 | 80 | 39,914 | 0 | 0 | 328 | 0 |
| Software Engineering Institute | 16,919 | 0 | 16,919 | 0 | 0 | 0 | 0 | 0 |
| Stanford Linear Accelerator Center | 150,059 | 0 | 0 | 150,059 | 0 | 0 | 0 | 0 |
| Thomas Jefferson National Accelerator Facility ³ | 63,796 | 0 | 0 | 63,796 | 0 | 0 | 0 | 0 |

See explanatory information, if any, and SOURCE at end of table.

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1999

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| Federally funded research and development centers | Total | Dept of Commerce | Dept of Defense | Dept of Energy | Dept of Health & Human Services | National Aeronautics & Space Admin | National Science Foundation | Other |
|--|---------|------------------|-----------------|----------------|---------------------------------|------------------------------------|-----------------------------|--------|
| FFRDCs administered by nonprofit institutions ⁴ | 913,212 | 3 | 358,362 | 515,828 | 19,631 | 8,035 | 752 | 10,601 |
| Aerospace Federally Funded Research & Development Center | 97,935 | 0 | 92,868 | 0 | 0 | 4,922 | 145 | 0 |
| Arroyo Center ⁵ | 20,859 | 0 | 20,594 | 265 | 0 | 0 | 0 | 0 |
| Brookhaven National Laboratory ⁶ | 252,700 | 3 | 2,672 | 242,298 | 347 | 2,585 | 607 | 4,188 |
| C3I Federally Funded Research & Development Center ⁷ | 138,007 | 0 | 138,007 | 0 | 0 | 0 | 0 | 0 |
| Center for Advanced Aviation System Development ⁷ | 13,847 | 0 | 8,982 | 0 | 0 | 0 | 0 | 4,865 |
| Center for Naval Analyses | 45,875 | 0 | 45,875 | 0 | 0 | 0 | 0 | 0 |
| Institute for Defense Analyses Communications & Computing FFRDC ⁸ | 2,804 | 0 | 2,804 | 0 | 0 | 0 | 0 | 0 |
| Institute for Defense Analyses Studies & Analyses FFRDC | 36,875 | 0 | 36,875 | 0 | 0 | 0 | 0 | 0 |
| National Defense Research Institute ⁵ | 19,120 | 0 | 3,885 | 0 | 14,987 | 248 | 0 | 0 |
| National Renewable Energy Laboratory ⁹ | 133,383 | 0 | 0 | 133,383 | 0 | 0 | 0 | 0 |
| Pacific Northwest National Laboratory | 151,807 | 0 | 5,800 | 139,882 | 4,297 | 280 | 0 | 1,548 |

¹ Includes university consortia.

² Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

³ In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

⁴ That is, other than universities and colleges.

⁵ The following portions of the RAND Corporation are FFRDCs: National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), the Arroyo Center, and the Science and Technology Policy Institute (formerly Critical Technologies Institute). All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

⁶ On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

⁷ Only the C3I Federally Funded Research and Development Center, the Center for Advanced Aviation System Development, and The Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC) parts of the MITRE Corporation are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

⁸ Although the Institute for Defense Analyses Communications & Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.

⁹ In September 1991 the name was changed from Solar Energy Research Institute.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

The Department of Defense decertified Logistics Management Institute of McLean, VA, as an FFRDC effective September 24, 1998.

The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993.

The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs (1) the Energy Technology Engineering Center in November 1995, (2) the Inhalation Toxicology Research Institute in May 1996, and (3) Oak Ridge Institute for Science and Education (ORISE) February 22, 1999.

Critical Technologies Institute (CTI), as established in 1992, supports science and technology policy. The National Science Foundation has determined that CTI's activities are classified as non-investment and do not fit within the definitions of basic or applied research or development.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001